

Department of Pesticide Regulation Operational Plan for Fiscal Year 2003/04 Executive Summary

Mill Assessment Branch

Performance Goal 1: Collect the mill assessment on a quarterly basis from the 1,600 registrants, dealers, and brokers.

Performance Goal 2: Manage the disbursement of state funds (mill assessment and 3765 contracts) to the county agricultural commissioners on an annual basis.

Performance Goal 3: Audit pesticide product and mill assessment compliance.

- Conduct 45 registrants audits.
- Conduct five broker audits.
- Conduct four dealer audits.
- Coordinate and conduct 510 product compliance inspections in conjunction with the Enforcement Branch.
- Coordinate, track, and investigate 90 product-related complaints.
- Refer 400 findings of unregistered products for enforcement action.

Performance Goal 4: Prepare quarterly projections on the value of the mill.

Medical Toxicology Branch

Performance Goal 1: Complete six risk assessments under Senate Bill (SB) 950 and Assembly Bills 2161 and 1807.

Performance Goal 2: Perform dietary evaluations for periodic over-tolerances and risk assessments, as needed, for unscheduled chemical.

Performance Goal 3: Process 30 packages through the SB 950 data review procedure and process six requests for concurrence of the Office of Environmental Health Hazard Assessment (OEHHHA) for waivers of health effect studies under SB 950 during fiscal year (FY) 2003-04.

Performance Goal 4: Maintain product data review “turn-around” time to average less than 21 days from the time the package reaches Medical Toxicology.

Performance Goal 5: Complete toxicology review of studies submitted for new active ingredient registration requests within an average time of 90 calendar days after the package reaches Medical Toxicology.

Performance Goal 6: Finalize the joint DPR/OEHHA Cholinesterase Work Group discussion papers and guideline recommendations for external peer review.

Worker Health & Safety Branch

Performance Goal 1: Provide scientific evaluation to support registration decisions.

- In coordination with the Registration Branch, complete 200 scientific evaluations of registration actions for new and existing pesticide products in FY 2003/04.
- In coordination with the Registration Branch, review 40 research authorizations in FY 2003/04.
- In coordination with the Registration Branch and/or Medical Toxicology Branch, review and provide recommendations for 20 data waiver or insignificant exposure requests in FY 2003/04.
- In coordination with the Registration Branch, complete the revision of standard operating procedures for registration actions in FY 2003/04.

Performance Goal 2: Coordinate mitigation development.

- In coordination with the Enforcement, Environmental Monitoring, Medical Toxicology, and Registration Branches, develop mitigation proposals for MITC, naled, atrazine, and methyl bromide, and complete the mitigation process for DDVP in FY 2003/04.
- Conduct a workload analysis of mitigation activities in FY 2003/04.
- In coordination with Environmental Monitoring and Medical Toxicology Branches, complete two pesticide data evaluations of monitoring studies conducted to assess mitigation in FY 2003/04.

Performance Goal 3: Improve the evaluation of exposure.

- Develop nine exposure assessments (i.e., methamidophos, sulfuryl fluoride, acephate, propargite, indoxacarb, imidacloprid, simazine, cyfluthrin, and fipronil) for external peer review in FY 2003/04. In coordination with the Medical Toxicology Branch, work to complete DPR's goal of five comprehensive risk assessments in FY 2003/04. Worker Health and Safety will be responsible for preparing the exposure assessments used in risk assessments and conducting a peer review of the risk characterization documents.
- In coordination with Registration Branch, complete the reevaluation of chloropicrin and cyfluthrin in FY 2003/04.
- In coordination with the Registration and Medical Toxicology Branches and OEHHA, review 12 exposure study protocols involving human participants in FY 2003/04.
- Initiate two studies (irrigator exposure monitoring and scout exposure monitoring) to evaluate human exposure in FY 2003/04. Irrigator exposure monitoring study milestones: protocol completion and institutional review board approval - July 2003; sample collection completion - September 2003; laboratory analysis completion - November 2003; study report completion - July 2004. Scout exposure monitoring study milestones: protocol completion and institutional review board approval April 2004; sample collection completion - September 2004; laboratory analysis completion - November 2004; study report completion - July 2005.
- Participate in 20 work-share, IR-4, Re-registration Eligibility Document (RED), Agricultural Re-entry Task Force, Outdoor Residential Exposure Task Force, International Life Sciences Institute, and Pesticide Handler Exposure Database consultations with the U.S. Environmental Protection Agency (U.S. EPA), Health Canada, and registrants on pesticide exposure database development, data evaluations, exposure assessments and mitigation proposals, and regulatory requirements in FY 2003/04.
- In coordination with U.S. EPA and other peer review bodies, complete the revision of HS-1612 in FY 2003/04.
- In coordination with the Enforcement Branch, participate in a field-day program to observe pesticide handler and field worker activities in FY 2003/04.

Performance Goal 4: Evaluate pesticide illness trends and improve case ascertainment and investigation.

- Complete 1,500 pesticide episode case reviews and evaluations in FY 2003/04, and prepare the 2002 annual report of pesticide-related illnesses and injuries by February 2004.
- In coordination with the Enforcement Branch, conduct five investigations of human illness episodes in FY 2003/04.
- Complete two trends analyses (i.e., illnesses following structural applications, illnesses as a result of hand applications) of pesticide illness surveillance data in FY 2003/04.
- Respond to requests for 75 queries of the Pesticide Illness Surveillance Program database, and provide consultation to 125 stakeholders on pesticide-related health and exposure inquiries in FY 2003/04.
- Review and update illness case records (1992-present) to be consistent with data validation standards by December 2003.
- Coordinate projects with OEHHA and the Department of Health Services to improve the illness surveillance program.
- In coordination with the Enforcement Branch, revise the Pesticide Episode Investigation Procedures Manual to improve notification procedures for illness episodes, address non-occupational investigative procedures, and include procedural changes recommended in HS-1823; and develop a presentation on worker health and safety investigative procedures for state and county enforcement in FY 2003/04.

Performance Goal 5: Improve worker protection.

- Provide training on personal protective equipment and industrial hygiene principals to 200 stakeholders in FY 2003/04.
- In coordination with the Enforcement Branch, conduct four workplace evaluations in FY 2003/04.
- Participate in 50 outreach sessions with health professionals, worker advocates, commodity groups, and government agencies in FYI 2003/04 to address worker protection and public health issues.
- In coordination with the Worker Safety Regulation Work Group, prepare three rulemaking actions (Hazard Communication, Respiratory Protection, Use in Conflict with Labeling/Low Volume Spray Equipment) and supporting documentation for DPR's Office of Legislation & Regulations in FY 2003/04.
- Complete the revision of 20 Pesticide Safety Information Series leaflets as part of the "right-to-know initiative" by December 2003.
- Design and conduct a survey of California counties to determine what ethnic groups are present in the agricultural community to prioritize the translation of outreach materials. Complete the analysis of survey results by June 2004.
- In coordination with the Enforcement Branch, develop and conduct five regional training sessions on the respiratory protection and methyl bromide regulations to State and County Enforcement staff in FY 2003/04.
- In coordination with the Enforcement Branch, evaluate pesticide handler's utilization of eye protection equipment as a follow up to HS-1824 (Analysis of Pesticide-Related Illnesses of Select Mixer/Loader/Applicators for Years 1994 and 1998).

Pesticide Registration Branch

Performance Goal 1: Make registration decisions on approximately ten new active ingredients.

- Complete all data review stations within one year of submission of a complete package.

- Coordinate with U.S. EPA to minimize the time from federal registration to state registration.
- Continue to expand opportunities for worksharing with U.S. EPA.

Performance Goal 2: Make registration decisions on approximately 4,000- 6,000 product applications.

- Reach a registration decision within six months of submission of a complete package.
- Develop a standard means of tracking and reporting.
 - Obtain the total number of actions taken from the tracking system.
 - Establish a baseline on July 1, 2003.
 - Develop summary statistics quarterly.
 - Report annual statistics each year on July 1.

Performance Goal 3: Coordinate the registration of special registrations to ensure that critical pest management needs in California are met.

- Emergency Exemptions (Section 18) (approximately 40).
- Registrations for eradication and vector control (to be determined).
- Special Local Needs (to be determined).
- Research Authorizations and Experimental Use Permits.

Performance Goal 4: Complete the renewal of approximately 12,000 pesticide products by March 1, 2004.

Performance Goal 5: Oversee the continuous evaluation of pesticide product registrations.

- Risk assessments (five-ten).
- Reevaluations.
 - Issue quarterly reports.
 - Track requirements, deadlines, and submissions.

Performance Goal 6: Continue the development of standard operating procedures, access to registration information, and efficiency.

- Maintain information on registered pesticide products.
- Prepare a conference plan for registrants by December 31, 2003, and develop an agenda by May 2004.
- Conduct a DPR-sponsored conference for the regulated community on the requirements to register a pesticide product in California by July 2004.
- Continue to develop workshare with U.S. EPA within constraints of budgetary limitations.
 - Identify potential workshare projects by September 30 (federal fiscal year starts October).
 - Identify workload, assign tasks, and establish completion dates for workshare projects
 - Monitor progress of workshare projects both at USEPA and DPR.
 - Report quarterly on progress of workshare projects.

Pesticide Enforcement Branch

Performance Goal 1: Oversee the effectiveness of county enforcement.

- Implement County Regulatory Oversight Program (CROP).
 - Negotiate work plans in each county to assure local pesticide regulatory activities align with DPR's goal of improving industry compliance with worker safety requirements.

- Develop guidance for effectiveness evaluations to explain implementation of the new regulations and essential program elements recognized by the Director.
- Evaluate local pesticide regulatory programs under current effectiveness evaluation regulations and essential program elements recognized by the Director.
- Implement County Oversight Inspection Program (COIP)
 - Conduct “neutral scheme” inspections statewide (120 inspections).
 - Conduct focused inspections in designated counties (five counties – 200 inspections).
 - Focus counties: Butte (35), Fresno(60), Lake(35), Riverside(50), San Benito(20).
 - Compile and analyze completed data to identify improvement initiatives for implementation in county programs.
 - Reevaluate goals and applicability of current compliance assessments.
- Evaluate CROP Program Elements
 - Review and analyze program goals and policies and procedures.
 - Evaluate Focus Activities to determine effectiveness and identify contribution or impact on overall programs.
- Analyze and update main key databases:
 - Enforcement Action Database.
 - Assess program operations.
 - Evaluate data, identify persons with repeat violations for possible State Action.
 - Inspection Tracking Database:
 - Compare number of inspections received with CAC Pesticide Regulatory Activities Report;
 - Pesticide Regulatory Activities Report to determine CAC compliance with DPR request for information;
 - Analyze available data to determine value and application of this information to DPR’s strategic goals. Analysis to include:
 - Industry compliance as reported by CACs;
 - Industry compliance compared to 1997-2001 Compliance Assessment Survey when appropriate;
 - Evaluate the CACs’ inspection programs through information gathered through current Oversight Inspection Program and the Inspection Tracking Database;
 - Comparison of DPR’s oversight inspections to identify inspection program efficiencies;
 - Test new data evaluation tracking system.
- Provide State & County Regulator Training:
 - Structural Pest Control Enforcement (2 sessions)
 - Surface & Ground Water Training
 - Update three training modules
 - Pesticide Regulatory Activities Reporting
 - Respiratory Protection Training
 - Methyl Bromide Field Fumigation Training (4-6 sessions)
 - Update Episode Investigation Manual
 - Review Licensing and Certification Exam Revisions
 - Health and Safety Training for sub-sampling concentrate materials

Performance Goal 2: Implement mitigations measures:

- Metam sodium/potassium by November 2003
- Atrazine/Naled by March 2004
- Methyl Bromide (Field Fumigation) by February 2004
- Coordinate “Rice Program” to monitor compliant with permit conditions.
- Thiobencarb aerial application inspections and oversight.

Performance Goal 3: Conduct Residue Monitoring Program to assure a safe food supply:

- Monitoring Program
 - State Residue Monitoring 3,600 samples
 - Pesticide Data Program 2,500 samples
 - Microbiological Data Program 840 samples
- Enhance residue database to improve the timeliness, quality, and analyses of California’s residue monitoring program.
- Compile 2003 Annual Residue Summary (post to Web) by June 2004
- California and Baja California will promote efforts to reduce illegal pesticides residues on produce:
- Analyze residue data to improve tracking procedures of produce shipments from Mexico found to contain illegal pesticide residues.
- Provide training to border region agricultural officials and growers on strategies that reduce pesticide drift and contamination.

Performance Goal 4: Develop clear and consistent enforcement policies

- Develop Enforcement Branch policy letters (approximately 60)
- Coordinate comments to U.S. EPA on four Pesticide Registration Notices
- Participate with Cal/EPA on State Emergency Preparedness attend monthly ERMAC meetings.
- Participate in development of DPR’s new Statewide Permit & Use Reporting System System (SPURS).
- Research and evaluate improved processes for targeting oversight inspections.
- File Management Improvement Project (2 year project)
 - Evaluate existing electronic file management systems.
 - Review current electronic files and assess status of files.
 - Develop file manage structure

Performance Goal 5: Ensure statewide compliance

- Administrative Hearings Program
 - Develop outreach materials for CAC staff and management acting as county advocates or hearing officers.
 - Provide Hearing Officer services (approx. 6 per year) On request
 - Revise and distribute Hearing Officer Sourcebook
- U.S.EPA Cooperative Agreement
 - Negotiate and administer agreement
 - Coordinate comments to U.S. EPA on Pesticide Registration Notices
 - Conduct Inspections as indicated:
 - Pesticide Producing Establishment (PEI) - 55
 - Marketplace Surveillance (MSI) - 130
 - Certified Applicators/Pesticide Dealers - 30

- Non-Agricultural Use - 30
 - Miscellaneous - 10
- Maintain and improve the Pesticide Episode Response Plan to address enforcement of environmental laws related to pesticide episodes on the California/Baja California border.
- Coordinate updates to the existing Pesticide Episode Response Plans with Imperial and San Diego counties.
- Develop, evaluate, and present a demonstration exercise of a border episode in coordination with relevant agencies from the U.S. and Mexico.
- Conduct 200 Pesticide Use Inspections, including 30 Special Focus Inspections for worker protection.
- Conduct pesticide product inspections (510)
- Initiate civil penalty actions (approximately 100)
- Develop outreach materials:
 - Fact Sheets
 - “FAQs”-Frequently Asked Questions (3)

Pest Management and Licensing Branch

Licensing & Certification

Performance Goal 1: Administer the Licensing and Certification Program

- Process about 13,000 to 14,000 license and certificate renewal applications by end of January, 2004 and process about 2,000 new license and certificate applications by July 30, 2004
- Administer 3,500 to 4,000 certification or licensing exams
- Develop and provide data for emergency regulation to revise Licensing and Certification fees
- Use the Agricultural Pest Control Advisory Committee to address licensing & certification issues
- Coordinate the revision of Laws and Regulation exam, development of Maintenance Gardener study guide and exam, and revision of the Private Applicator certification exam by June 30, 2004
- Evaluate & approve about 2600 continuing education courses and audit about 15 by June 30, 2004
- Enhance & support training of state’s pest control industry through 10 to 12 presentations by June 30, 2004
- Negotiate, and administer the Cooperative Agreement with USEPA on licensing and certification, report statistics and provide evaluation by August, 2004

Pesticide Use Reporting

Performance Goal 2: Administer the statewide permitting and pesticide use reporting programs

- Process, analyze, & publish 2002 annual PUR release by October 31, 2003
- Provide about 100 specialized PUR analyses, respond to about 680 inquiries, & provide over 200 datasets to stakeholders
- Maintain the PUR Web site by posting PUR data releases annually
- Finalize edit module and documentation to correct errors in the PUR database by June, 2004
- Coordinate statewide Geographical Information System (GIS) & field border data development (data requirements, training in using software, using GIS in permit environment, etc) in Nevada, Madera, and Orange Counties by June, 2004.
- Support the statewide county permit & PUR systems through training between 150 to 300 county staff in permitting and PUR software use and troubleshooting technical problems.

- Facilitate development of a concept document for development of a Statewide Permitting & Use Reporting System (SPURS) to replace the DOS-based system currently used, by Spring, 2004
- Create & support a functional school PUR database in MSAccess by June 30, 2004

Endangered Species

Performance Goal 3: Develop and update bulletins to disseminate information about protected listed species

- Support statewide permitting, use reporting & GIS by preparing to implement the PRESCRIBE application, maintenance of the Endangered Species Program Web site, and ongoing support for county bulletins
- Develop pesticide applicator training materials to identify endangered species & their habitats. Provide training to between 25 and 30 governmental and industry groups
- Develop new or revised outreach material for 3 to 6 endangered species

Pest Management Analysis and Planning Program

Performance Goal 4: Administer the School IPM Program

- Conduct 4 training sessions by June 30, 2004 to instruct school district staff on techniques to control pests while reducing risks.
- Conduct outreach & education (maintain Web site information, develop 3 pest-specific curricula and 4 fact sheets, publish 5 articles, respond to approximately 250 inquiries from schools and the public, and give approximately 10 seminars)
- Measure & evaluate success update and conduct survey of approximately 1,000 school districts and approximately 160 pre- and post-workshop surveys and evaluations)

Performance Goal 5: Complete the Pest Management Grants, assess findings, and design new applications

- Manage the remaining two Pest Management Grants
- Evaluate & develop a plan to implement 2-3 recommendations proposed by the Center for Agricultural Partnerships (CAP) for future use in a grants program focused on priority problems such as VOCs and TMDLs, and seek funding sources
- Develop measures of success (maintain grant resource directory, report on project successes and IPM systems)

Performance Goal 6: Mitigate and prevent pesticide use problems

- Serve as Departmental resource on IPM methods to mitigate and prevent environmental & human health problems. Topics include VOCs, surface water quality, fumigants (methyl bromide), sustainability (clopyralid), urban IPM, West Nile Virus, sulfur use, Cal/EPA Fact Sheets on pest management, Sponsor 10 IPM Seminars
- Represent DPR (e.g., provide IPM expertise by serving on BIFS grants, sudden oak death, P2 @ Agency (pollution prevention), DTSC P2 Advisory, CEEIN and other committees, low volume outreach, etc.)
- Award IPM Innovators
- Lead CalEPA Vineyard and Winery Performance for Sustainability Project
- Analyze bills

Performance Goal 7: Protect Surface Water

- Protect surface water through IPM education and meeting participation– CalFed Watershed Council, Agricultural Subcommittee of the Interagency Coordinating Committee for the CVRWQCB, Urban Outreach Workgroup, USDA NRCS IPM standards, etc.

- Assist agricultural watershed coalitions (2) and others with IPM methods to eliminate or reduce pesticide problems
- Mitigate & prevent DPR priority problems through existing Alliance partnerships and employing IPM methods developed in the grants program (outreach on dormant spray regulations, consulting on feasibility of applying IPM to regulatory problems, etc.)
- Conduct US EPA PESP grant on almond pest mgt/outreach on dormant spray regulations and Agricultural Waivers
- Identify factors driving adoption of IPM methods by growers and conduct research on practices growers currently implement for almonds, wine grapes, and walnuts
- Measure success using changes in pest mgt practices and pesticide use of priority pesticides

Performance Goal 8: Oversee and direct Division/Enforcement Branch IT projects and participate on DPR IT governance projects.

Environmental Monitoring Branch

Air Program

Performance Goal 1: Evaluate 13 pesticides as potential environmental contaminants (cyhalothrin, propanil, propyzamide, sulfuryl fluoride, chloropicrin, iodomethane, spinosad, fenoxycarb, hydramethylnon, pyriproxyfen, carbaryl, imidacloprid, dazomet).

Performance Goal 2: Identify and evaluate mitigation options for 4 pesticides adversely affecting the environment (methyl parathion; methyl bromide; MITC; and 1,3-D).

Performance Goal 3: Support the implementation of mitigation measures for three fumigant pesticides (methyl bromide, MITC, 1,3-dichloropropene).

Ground Water Program

Performance Goal 4: Evaluate eight pesticides as potential environmental contaminants. (atrazine simazine, bromacil, diuron, prometon, norflurazon, hexazinone, imidacloprid)

Performance Goal 5: Identify and evaluate mitigation options for six pesticides adversely affecting the environment. (atrazine, simazine, bromacil, diuron, norflurazon, hexazinone)

Performance Goal 6: Support the implementation of mitigation measures for five pesticides. (atrazine, simazine, norflurazon, bromacil, diuron)

Performance Goal 7: Produce two annual reports to the Legislature regarding ground water contamination.

Performance Goal 8: Produce a report outlining outreach efforts and potential regulatory options regarding chemigation.

Surface Water Program

Performance Goal 9: Evaluate 23 pesticides as potential environmental contaminants. (esfenvalerate, permethrin, bifenthrin, cyfluthrin, cypermethrin, lambda-cyhalothrin, azinphos-methyl, chlorpyrifos, diazinon, DDVP, disulfoton, ethoprop, fenamidphos, fonofos, dimethoate, methidathion, malathion, methyl parathion, phosmet, phorate, prophenofos, tribufos, simazine, diuron)

Performance Goal 10: Identify and evaluate mitigation options for 2 pesticides adversely affecting the environment. (diazinon and chlorpyrifos)

Performance Goal 11: Support the implementation of mitigation measures for two rice pesticides (molinate, thiobencarb) and 5 dormant spray pesticides (chlorpyrifos, diazinon, esfenvalerate, methidathion, and permethrin).

Performance Goal 12: Evaluate various factors that influence pesticide loading in the Sacramento River watershed.

Performance Goal 13: Produce GIS and mathematical models to identify vulnerable areas to pesticide runoff and to evaluate mitigation measures.

Performance Goal 14: Produce annual update of the surface water database.

Performance Goal 15: Revise the Management Agency Agreement (MAA) with the State Water Board and complete detailed procedures for executing DPR's surface water response policy.